

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP	SECTION	COUNTY	SECTION	SHEET	SHEET NO. 13
337	20R-5	LAKE	562	426	13 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	
D-91-552-99		Contract No. 60881			



O'BRIEN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1235 E. DAVIS ST./ARLINGTON HTS., IL 60005
(847)398-1441 • FAX (847) 398-2376

STRUCTURE FOUNDATION
BORING LOG

Sh 1 of 1

Project Subsurface Investigation for the Proposed IL Route 22 Reconstruction
Station 100+775
Offset 10.06m Left
Route F.A.P. Route 337
Location IL Route 83 to U.S. Route 41, Lake County IL.
IDOT Job No. P-91-552-99
Job No. 00458
Date 4-22-2002
Bored By Patrick
Checked By DOB

BORING NO. PT-3 Station 100+775 Offset 10.06m Left	BLOW COUNTS	R (mm)	Qu (kPa)	W (%)	Surface Water Elev. N/A Groundwater Elevation 207.0 WD Groundwater Elevation 205.1 AB After Hours	BLOW COUNTS	R (mm)	Qu (kPa)	W (%)
CLAY-dark brown & black (FIII)	5					4			
CLAY-brown spotted black-stiff to hard (A-6) FIII	6		144P	22		10		NP	9
	5					40			
	8		43P	22		17		NP	14
	13					11			
	6					4			
	9		527P	18		8		NP	14
	12					14			
	4			16.8		3			
	7					10			
	9		305B	19		14		NP	20
	4			16.7		4			
	8					4			
	12		364B	20		16		NP	25
	3			16.3		3			
	9					9			
	11		230B	18		11		NP	19
	5			17.2		10			
	9					6			
	12		287B	19		5		NP	24
	5			15.8		6			
	10					8			
	13		211B	20		15		NP	22
	4			15.4					
	7								
	12		144B	18					
	6			15.9					
	14								
	17		105B	18					

N-Standard Penetration Test (ASTM D-1586) Type Failure
R-Recovery In Inches
NR-No Recovery
E-Estimated Value
P-Penetrator
S-Shear Failure
W-Water Content, percent dry weight
Fails above w_L
Qu-Unconfined Compressive Strength (kPa) at w_L (kN/m²) noted in
W-Water Content, percent dry weight
Fails above w_L
NP-Non-Plastic

TYLINT INTERNATIONAL O'BRIEN & ASSOCIATES, INC.

DESIGNED	DJR
CHECKED	MI
DRAWN	DJR
CHECKED	MI
DATE	03-22-2004

BORING LOGS

IL ROUTE 22 OVER
PEDESTRIAN TUNNEL
FAP 337 SECTION 20R-5
LAKE COUNTY
STA. 100+775.000
S.N. 049-T016